Journal of Electron Spectroscopy and Related Phenomena, 62 (1993) 375–376
0368-2048/93/$06.00 © 1993 – Elsevier Science Publishers B.V., Amsterdam

AUTHOR INDEX

Abbate, M. 185, 197
Abbati, I. 309
Amoddeo, A. 263

Baer, Y. 207
Baschenko, O.A. 317
Baudelet, F. 153, 167
Bocquet, A.E. 141
Bökman, F. 317
Bohman, O. 317
Bradshaw, A.M. 33
Braicovich, L. 309
Brajko, A.P. 351
Brouder, Ch. 153

Caputi, L.S. 263
Chassé, T. 287
Chen, C.T. 185
Colavita, E. 263
Czyżyk, M.T. 185, 197

Dartyge, E. 153, 167
De Michelis, B. 309
Decleva, P. 245
Duò, L. 309
de Groot, F.M.F. 111, 185

Ebel, H. 359
Ebel, M.F. 359
Evans, D.A. 59

Fasana, A. 309
Fontaine, A. 153, 167
Franke, R. 287
Franzheld, R. 287
Fronzoni, G. 245
Fuggle, J.C. 185, 197
Fujimori, A. 141, 185
Furuya, K. 237

Giorgetti, Ch. 153
Grioni, M. 207

Himpsel, F.J. 51
Höfer, U. 1
Homann, K. 273
Horn, K. 59

Jaeger, R.M. 273

Kappler, J.P. 153
Katsumata, S. 237
Kimura, K. 237
Kirchmayr, H. 351
Kosuge, K. 185
Kotani, A. 131
Krill, G. 153
Kuhlenbeck, H. 273

Lisini, A. 245

Ma, Y.J. 185
Mårtensson, N. 73
Maciejewski, P. 1
Malterre, D. 207
Medarde, M. 167
Meden, V. 225
Meisel, A. 287
Menzel, D. 23
Mizokawa, T. 141
Müller, H. 351

Nilsson, A. 73

Ohno, M. 245
Okada, K. 131

Pen, H. 185, 197
Penn, D.R. 95
Pizzini, S. 153
Powell, C.J. 95

Saitoh, T. 141
Šarapatka, T.J. 335
Schönhammer, K. 225

Sette, F. 185
Shulakov, A.S. 351
Siegbahn, H.O.G. 317
Soriano, L. 197
Stepanov, A.P. 351
Streubel, P. 287
Szasz, A. 351
Szuber, J. R1

Tanuma, S. 95
Tillborg, H. 73
Tolentino, H. 167

Ueda, Y. 185
Umbach, E. 1
Urban, C. 287

Wernisch, J. 359
Wiederschwinger, H. 359
Wurth, W. 1, 23

Journal of Electron Spectroscopy and Related Phenomena, 62 (1993) 377–382
0368-2048/93/$06.00 © 1993 – Elsevier Science Publishers B.V., Amsterdam

SUBJECT INDEX

Acetone
Photoelectron spectra of acetone and acetone dimer 237
Adsorbate
Determination of adsorbate orientation by means of angle-resolved Auger fine structures: CO on Ni(110) 1
Shake-up and shake-off structures in core level photoemission spectra from adsorbates 73
Adsorption
Angular dependence of loss intensities in inelastic electron scattering for physisorbed CO on Ag(110) 273
Core-level excitation as a probe of molecular structure at surfaces 33
Determination of adsorbate orientation by means of angle-resolved Auger fine structure: CO on Ni(110) 1
Shake-up and shake-off structures in core level photoemission spectra from adsorbates 73
AES
Carbon Auger lineshapes on Ni(111) surface: evidence for new phases 263
Alloy
Surface oxidation of dilute AlMgSi alloys 351
Anisotropy
Analogy between the Cu *K*-edge XAS and 2p XPS spectra of the square planar cuprates: role of the photoelectron and its symmetry 167
Spectroscopy of buried interfaces 51
ARXPS
Distribution of ions in subsurface layers of liquid solutions studied by ARXPS 317
Auger
Decay channels of resonant and continuum core excitations in condensed ethylene and cyclohexane 23
Determination of adsorbate orientation by means of angle-resolved Auger fine structure: CO on Ni(110) 1
Auger lineshape
Carbon Auger lineshapes on Ni(111) surface: evidence for new phases 263
Auger parameter
X-ray photoelectron spectroscopic core level shifts of phosphorus in phosphates and native oxide layers on InP(100). Applications of the Auger parameter concept 287

BCS
Probing near ground state properties and phase transitions with high resolution photoemission 207
Binary system
Surface oxidation of dilute AlMgSi alloys 351
Buried interface
Spectroscopy of buried interfaces 51

Carbon monoxide
Angular dependence of loss intensities in inelastic electron scattering for physisorbed CO on Ag(110) 273
Determination of adsorbate orientation by means of angle-resolved Auger fine structure: CO on Ni(110) 1
CDW
Probing near ground state properties and phase transitions with high resolution photoemission 207
Charge transfer
Theory of core level X-ray photoemission and photoabsorption in Ti compounds 131
CI
2p → 3d Excitations in transition metal compounds. A computational investigation on $Fe(CO)_5$, $Fe(C_5H_5)_2$, and $Cr(CO)_6$ 245

Conductor
Correlation effects in photoemission from low dimensional metals 225
Copper phthalocyanine
Some comments on the electronic properties of the surface space charge layer of copper phthalocyanine thin films R1
Cuprate
Analogy between the Cu *K*-edge XAS and 2p XPS spectra of the square planar cuprates: role of the photoelectron and its symmetry 167
Cyclohexane
Decay channels of resonant and continuum core excitations in condensed ethylene and cyclohexane 23

Dimer
Photoelectron spectra of acetone and acetone dimer 237
DOS
The interaction of N with Ti and the oxidation of TiN studied by soft X-ray absorption spectroscopy 197

EELS
Angular dependence of loss intensities in inelastic electron scattering for physisorbed CO on Ag(110) 273
Carbon Auger lineshapes on Ni(111) surface: evidence for new phases 263
Some comments on the electronic properties of the surface space charge layer of copper phthalocyanine thin films R1
Equipment
A novel soft X-ray source ($h\nu =$ 151.6 eV) for core level and valence band photoemission spectroscopy with high surface sensitivity 309
Quantification of the excitation of Auger spectra by characteristic and by white X-radiation 359
Ethylene
Decay channels of resonant and continuum core excitations in condensed ethylene and cyclohexane 23

Fermi
Ag/GaAs(110) revisited: a photoemission study 59
Correlation effects in photoemission from low dimensional metals 225
Some comments on the electronic properties of the surface space charge layer of copper phthalocyanine thin films R1
Franck–Condon
Probing near ground state properties and phase transitions with high resolution photoemission 207

Hartree–Fock
Theory of core level X-ray photoemission and photoabsorption in Ti compounds 131
HOMO
2p → 3d Excitations in transition metal compounds. A computational investigation on $Fe(CO)_5$, $Fe(C_5H_5)_2$, and $Cr(CO)_6$ 245
Hubbard
X-ray absorption of transition metal oxides: an overview of the theoretical approaches 111

IMFP
Use of sum rules on the energy-loss function for the evaluation of experimental optical data 95
Innovation
A novel soft X-ray source ($h\nu =$ 151.6 eV) for core level and valence band photoemission spectroscopy with high surface sensitivity 309
Interface
Ag/GaAs(110) revisisted: a photoemission study 59
Spectroscopy of buried interfaces 51
Intermetallic
Study of 5d magnetism in rare-earth–transition-metal (Fe, Co) intermetallic compounds by magnetic circular X-ray dichroism 153
Inversion symmetry
Spectroscopy of buried interfaces 51

Ion
Distribution of ions in subsurface layers of liquid solutions studied by ARXPS 317

Kramers–Kronig
Use of sum rules on the energy-loss function for the evaluation of experimental optical data 95

Lanthanon compound
Study of 5d magnetism in rare-earth–transition-metal (Fe, Co) intermetallic compounds by magnetic circular X-ray dichroism 153
LCAO
2p → 3d Excitations in transition metal compounds. A computational investigation on $Fe(CO)_5$, $Fe(C_5H_5)_2$, and $Cr(CO)_6$ 245
LDA
X-ray absorption of transition metal oxides: an overview of the theoretical approaches 111
LEED
Ag/GaAs(110) revisited: a photoemission study 59
Angular dependence of loss intensities in inelastic electron scattering for physisorbed CO on Ag(110) 273
Carbon Auger lineshapes on Ni(111) surface: evidence for new phases 263
Liquid
Distribution of ions in subsurface layers of liquid solutions studied by ARXPS 317
LSW
The interaction of N with Ti and the oxidation of TiN studied by soft X-ray absorption spectroscopy 197
LUMO
2p → 3d Excitations in transition metal compounds. A computational investigation on $Fe(CO)_5$, $Fe(C_5H_5)_2$, and $Cr(CO)_6$ 245

Madelung potential
X-ray photoelectron spectroscopic core level shifts of phosphorus in phosphates and native oxide layers on InP(100). Applications of the Auger parameter concept 287
MCXD
Study of 5d magnetism in rare-earth–transition-metal (Fe, Co) intermetallic compounds by magnetic circular X-ray dichroism 153
Model
Ag/GaAs(110) revisited: a photoemission study 59
Correlation effects in photoemission from low dimensional metals 225
Electronic structure of 3d transition metal compounds: systematic chemical trends and multiplet effects 141
Theory of core level X-ray photoemission and photoabsorption in Ti compounds 131
X-ray absorption of transition metal oxides: an overview of the theoretical approaches 111
Mott–Hubbard
Electronic structure of 3d transition metal compounds: systematic chemical trends and multiplet effects 141
Multiplet
Electronic structure of 3d transition metal compounds: systematic chemical trends and multiplet effects 141
MXD
Study of 5d magnetism in rare-earth–transition-metal (Fe, Co) intermetallic compounds by magnetic circular X-ray dichroism 153

NEXAFS
Decay channels of resonant and continuum core excitations in condensed ethylene and cyclohexane 23
Nickel
Carbon Auger lineshapes on Ni(111) surface: evidence for new phases 263
Determination of adsorbate orientation by means of angle-resolved Auger fine structure: CO on Ni(110) 1
XPS and XAES study of interaction

between Ni and Si(111), SiO_x/Si(111) supports 335
Nickelate
Analogy between the Cu *K*-edge XAS and 2p XPS spectra of the square planar cuprates: role of the photoelectron and its symmetry 167

Oxidation
Surface oxidation of dilute AlMgSi alloys 351
The interaction of N with Ti and the oxidation of TiN studied by soft X-ray absorption spectroscopy 197
XPS and XAES study of interaction between Ni and Si(111), SiO_x/Si(111) supports 335
Oxide
X-ray absorption of transition metal oxides: an overview of the theoretical approaches 111

PES
Photoelectron spectra of acetone and acetone dimer 237
Probing near ground state properties and phase transitions with high resolution photoemission 207
Peierls
Correlation effects in photoemission from low dimensional metals 225
PhD
Core-level excitation as a probe of molecular structure at surfaces 33
Phosphorus compound
X-ray photoelectron spectroscopic core level shifts of phosphorus in phosphates and native oxide layers on InP(100). Applications of the Auger parameter concept 287
PIE
Photoelectron spectra of acetone and acetone dimer 237

Rare earth compound
Study of 5d magnetism in rare-earth–transition-metal (Fe, Co) intermetallic compounds by magnetic circular X-ray dichroism 153

SCF
2p → 3d Excitations in transition metal compounds. A computational investigation on $Fe(CO)_5$, $Fe(C_5H_5)_2$, and $Cr(CO)_6$ 245
SEXAFS
Core-level excitation as a probe of molecular structure at surfaces 33
Semiconductor
Ag/GaAs(110) revisited: a photoemission study 59
Some comments on the electronic properties of the surface space charge layer of copper phthalocyanine thin films R1
Spectroscopy of buried interfaces 51
Sensitivity
A novel soft X-ray source ($h\nu$ = 151.6 eV) for core level and valence band photoemission spectroscopy with high surface sensitivity 309
Shake-off
Shake-up and shake-off structures in core level photoemission spectra from adsorbates 73
Shake-up
Shake-up and shake-off structures in core level photoemission spectra from adsorbates 73
Silicide
XPS and XAES study of interaction between Ni and Si(111), SiO_x/Si(111) supports 335
Silicon
XPS and XAES study of interaction between Ni and Si(111), SiO_x/Si(111) supports 335
SPA-LEED
Angular dependence of loss intensities in inelastic electron scattering for physisorbed CO on Ag(110) 273
Square planar
Analogy between the Cu *K*-edge XAS and 2p XPS spectra of the square planar cuprates: role of the photoelectron and its symmetry 167
Sum rule
Use of sum rules on the energy-loss function for the evaluation of experi-

mental optical data 95
Superconductor
Probing near ground state properties and phase transitions with high resolution photoemission 207
Surface
Core-level excitation as a probe of molecular structure at surfaces 33
Distribution of ions in subsurface layers of liquid solutions studied by ARXPS 317
Surface oxidation of dilute AlMgSi alloys 351
Surface space charge
Some comments on the electronic properties of the surface space charge layer of copper phthalocyanine thin films R1
SXE
Shake-up and shake-off structures in core level photoemission spectra from adsorbates 73

Ternary system
Surface oxidation of dilute AlMgSi alloys 351
Thin film
Some comments on the electronic properties of the surface space charge layer of copper phthalocyanine thin films R1
Titanium nitride
The interaction of N with Ti and the oxidation of TiN studied by soft X-ray absorption spectroscopy 197
Tomonaga–Luttinger
Correlation effects in photoemission from low dimensional metals 225
TPEPICO
Photoelectron spectra of acetone and acetone dimer 237
TPES
Photoelectron spectra of acetone and acetone dimer 237
Transition metal compound
2p → 3d Excitations in transition metal compounds. A computational investigation on $Fe(CO)_5$, $Fe(C_5H_5)_2$, and $Cr(CO)_6$ 245
Electronic structure of 3d transition metal compounds: systematic chemical trends and multiplet effects 141
Study of 5d magnetism in rare-earth–transition-metal (Fe, Co) intermetallic compounds by magnetic circular X-ray dichroism 153
Theory of core level X-ray photoemission and photoabsorption in Ti compounds 131
X-ray absorption of transition metal oxides: an overview of the theoretical approaches 111

UPS
Angular dependence of loss intensities in inelastic electron scattering for physisorbed Co on Ag(110) 273

Vanadium oxide
Soft X-ray absorption spectroscopy of vanadium oxides 185

Window
Quantification of the excitation of Auger spectra by characteristic and by white X-radiation 359

X-ray diffraction
Core-level excitation as a probe of molecular structure at surfaces 33
XAES
Quantification of the excitation of Auger spectra by characteristic and by white X-radiation 359
X-ray photoelectron spectroscopic core level shifts of phosphorus in phosphates and native oxide layers on InP(100). Applications of the Auger parameter concept 287
XPS and XAES study of interaction between Ni and Si(111), SiO_x/Si(111) supports 335
XAS
Analogy between the Cu *K*-edge XAS and 2p XPS spectra of the square planar cuprates: role of the photoelectron and its symmetry 167

Soft X-ray absorption spectroscopy of vanadium oxides 185
The interaction of N with Ti and the oxidation of TiN studied by soft X-ray absorption spectroscopy 197
Theory of core level X-ray photoemission and photoabsorption in Ti compounds 131
X-ray absorption of transition metal oxides: an overview of the theoretical approaches 111

XES
Surface oxidation of dilute AlMgSi alloys 351

XPS
Analogy between the Cu *K*-edge XAS and 2p XPS spectra of the square planar cuprates: role of the photoelectron and its symmetry 167
Electronic structure of 3d transition metal compounds: systematic chemical trends and multiplet effects 141
Quantification of the excitation of Auger spectra by characteristic and by white X-radiation 359
Shake-up and shake-off structures in core level photoemission spectra from adsorbates 73
Theory of core level X-ray photoemission and photoabsorption in Ti compounds 131
X-ray photoelectron spectroscopic core level shifts of phosphorus in phosphates and native oxide layers in InP(100). Applications of the Auger parameter concept 287
XPS and XAES study of interaction between Ni and Si(111), SiO_x/Si(111) supports 335

Zirconium
A novel soft X-ray source ($h\nu =$ 151.6 eV) for core level and valence band photoemission spectroscopy with high surface sensitivity 309